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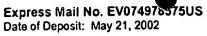
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U.S. PATENT DOCUMENTS							
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		·	FOREIGN PATENT DOCUMENTS		
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
<u>SJ</u>	C1°	Alderborn, et al. (2000). Genome Res 10(8): 1249-58.
	C2*	Ardini, et al. (2000). "Expression of protein tyrosine phosphatase alpha (RPTPalpha) in human breast cancer correlates with low tumor grade, and inhibits tumor cell growth in vitro and in vivo." Oncogene 19(43): 4979-87.
	C3.	Augustine, et al. (1993). "Antisense attenuation of Wnt-1 and Wnt-3a expression in whole embryo culture reveals roles for these genes in craniofacial, spinal cord, and cardiac morphogenesis." Dev Genet 14(6): 500-20.
	C4*	Berndt, et al. (1999). "Expression of the transmembrane protein tyrosine phosphatase RPTPalpha in human oral squamous cell carcinoma." Histochem Cell Biol 111(5): 399-403.
	C5*	Bocchinfuso, et al. (1999). "A mouse mammary tumor virus-Wnt-1 transgene induces mammary gland hyperplasia and tumorigenesis in mice lacking estrogen receptor-alpha." Cancer Res 59(8): 1869-76.
	C6*	Braisted, et al. (2000). "Netrin-1 promotes thalamic axon growth and is required for proper development of the thalamocortical projection." <i>J Neurosci</i> 20(15): 5792-801.
	C7*	Brisken, et al. (2000). "Essential function of Wnt-4 in mammary gland development downstream of progesterone signaling." Genes Dev 14(6): 650-4.
	C8*	Daniel, et al. (1994). "Mammalian alpha-mannosidasesmultiple forms but a common purpose?" Glycobiology 4(5): 551-66.
	C9.	Dubiel, W., K. Ferrell, et al. (1992). "Subunit 4 of the 26 S protease is a member of a novel eukaryotic ATPase family." J Biol Chem 267(32): 22699-702.
	C10*	Ellezam, et al. (2001). "Expression of netrin-1 and its receptors DCC and UNC-5H2 after axotomy and during regeneration of adult rat retinal ganglion cells." Exp Neurol 168(1): 105-15.
	C11*	Feighner (1999). "Mechanism of action of antidepressant medications." <i>J Clin Psychiatry</i> 60(Suppl 4): 4-13.
	C12*	Ferry and McGaugh (2000). *Role of amygdala norepinephrine in mediating stress hormone regulation of memory storage.* Acta Pharmacol Sin 21(6): 481-93.
(C13*	GenBank Accession Number: A44468 (02-JUN-2000)
(2)	C14*	GenBank Accession Number: A49502 (24-APR-1998)





Exam	Cite	OTHER PRIOR ARE MONAPORT LITERATURE DOCUMENTS Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
Lontials	No. C15'	GenBank Accession Number: A53791 (11-JUN-1999)
	C16*	GenBank Accession Number: AAF21809 (01-JAN-2000)
-	C17°	GenBank Accession Number: AAF45755 (04-OCT-2000)
	C18*	GenBank Accession Number: AAF45998 (04-OCT-2000)
	C19*	
	C20.	GenBank Accession Number: AAF53837 (04-OCT-2000)
	C21.	GenBank Accession Number: AAH01280 (12-JUL-2001)
	C22*	GenBank Accession Number: AAH08983 (12-JUL-2001)
	C23*	GenBank Accession Number: AAH16253 (05-NOV-2001)
		GenBank Accession Number: AAH16368 (05-NOV-2001)
	C24*	GenBank Accession Number: AAK13590 (01-MAR-2001)
_	C25*	GenBank Accession Number: AAK82958 (02-AUG-2001)
	C26*	GenBank Accession Number: AB004816 (24-APR-1998)
	C27*	GenBank Accession Number: AB018348 (16-JUN-1999)
	C28*	GenBank Accession Number: AB024080 (08-DEC-2000)
	C29*	GenBank Accession Number: AB063483 (20-OCT-2001)
·	C30*	GenBank Accession Number: AE003423 (04-OCT-2000)
	C31.	GenBank Accession Number: AE003663 (04-OCT-2000)
	C32*	GenBank Accession Number: AF008551 (07-APR-1998)
	C33.	GenBank Accession Number: AF031168 (22-JAN-1998)
	C34*	GenBank Accession Number: AF044414 (27-OCT-1999)
	C35*	GenBank Accession Number: AF063249 (09-SEP-1998)
	C36*	GenBank Accession Number: AF095154 (15-OCT-1998)
	C37*	GenBank Accession Number: AF096286 (01-JAN-2000)
	C38*	GenBank Accession Number: AF154413 (01-MAR-2001)
	C39*	GenBank Accession Number: AF233450 (02-AUG-2001)
	C40*	GenBank Accession Number: Al255192 (Nov 12 1998)
	C41°	GenBank Accession Number: AL005132 (18-SEP-1997)
	C42*	GenBank Accession Number: BAA25784 (24-APR-1998)
	C43*	GenBank Accession Number: BAA83743 (08-DEC-2000)
	C44*	GenBank Accession Number: BAB23831 (19-JAN-2002)
	C45*	GenBank Accession Number: BAB70499 (20-OCT-2001)
	C46*	GenBank Accession Number: BC001280 (12-JUL-2001)
	C47°	GenBank Accession Number: BC016368 (05-NOV-2001)
	C48*	GenBank Accession Number: D86948 (31-MAR-2000)
	C49°	GenBank Accession Number: I50720 (07-OCT-1997)
	C50°	GenBank Accession Number: JC5974 (21-JAN-2000)
	C51°	GenBank Accession Number: L02426 (27-SEP-1993)
~	C52*	GenBank Accession Number: M80776 (31-DEC-1994)



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Canal			OTHER PRIOR ART TON PATENT STERATURE DOCUMENTS
C58* GenBank Accession Number: NM_003158 (31-OCT-2000)			OTHER PRIOR ART STORY PATENT STERATURE DOCUMENTS
CS5	Exam Initials		
C56* GenBank Accession Number: NM_003600 (01-NOV-2000)		C54*	GenBank Accession Number: NM_003158 (31-OCT-2000)
C57' GenBank Accession Number: NM_008596 (07-JAN-2002)		C55*	GenBank Accession Number: NM_003395 (15-NOV-2001)
CSS' GenBank Accession Number: NM_008947 (07-JAN-2002)		C56*	GenBank Accession Number: NM_003600 (01-NOV-2000)
C59° GenBank Accession Number: NM_09522 (07-JAN-2002)		C57*	GenBank Accession Number: NM_008596 (07-JAN-2002)
C601 GenBank Accession Number: NM_022925 (31-JAN-2001)		C58°	GenBank Accession Number: NM_008947 (07-JAN-2002)
C81		C59*	GenBank Accession Number: NM_009522 (07-JAN-2002)
C62* GenBank Accession Number: NP_003149 (31-0CT-2000)		C60°	GenBank Accession Number: NM_022925 (31-JAN-2001)
C63* GenBank Accession Number: NP_003386 (15-NOV-2001)	\Box	C61°	GenBank Accession Number: NP_002793 (31-OCT-2000)
C84* GenBank Accession Number: NP_003591 (01-NOV-2000)		C62*	GenBank Accession Number: NP_003149 (31-OCT-2000)
Ces' GenBank Accession Number: NP_032622 (07-JAN-2002)		C63·	GenBank Accession Number: NP_003386 (15-NOV-2001)
C68* GenBank Accession Number: NP_032973 (07-JAN-2002)		C64°	GenBank Accession Number: NP_003591 (01-NOV-2000)
C67' GenBank Accession Number: NP_033548 (07-JAN-2002)		C65°	GenBank Accession Number: NP_032622 (07-JAN-2002)
C68* GenBank Accession Number: NP_075214 (31-JAN-2001)		C66*	GenBank Accession Number: NP_032973 (07-JAN-2002)
C69' GenBank Accession Number: O14905 (15-DEC-1998) C70' GenBank Accession Number: O42280 (15-JUL-1999) C71' GenBank Accession Number: O75973 (16-OCT-2001) C72' GenBank Accession Number: O88992 (16-OCT-2001) C73' GenBank Accession Number: P02746 (16-OCT-2001) C74' GenBank Accession Number: P10108 (15-JUL-1999) C75' GenBank Accession Number: P10108 (15-JUL-1999) C75' GenBank Accession Number: P10108 (15-JUL-1998) C77' GenBank Accession Number: P20488 (15-JUL-1998) C77' GenBank Accession Number: P21139 (30-MAY-2000) C78' GenBank Accession Number: P25098 (20-AUG-2001) C79' GenBank Accession Number: P26817 (16-OCT-2001) C80' GenBank Accession Number: P42280 (01-OCT-1996) C81' GenBank Accession Number: P51805 (16-OCT-2001) C82' GenBank Accession Number: Q90732 (01-NOV-1997) C83' GenBank Accession Number: XM_009546 (16-OCT-2001) C85' GenBank Accession Number: XM_009546 (16-OCT-2001) C86' GenBank Accession Number: XM_009546 (16-OCT-2001) C86' GenBank Accession Number: XM_009546 (16-OCT-2001) C86' GenBank Accession Number: XM_009546 (16-OCT-2001) C87' GenBank Accession Number: XM_009546 (16-OCT-2001) C88' GenBank Accession Number: XM_009546 (16-OCT-2001) C89' Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35.		C67*	GenBank Accession Number: NP_033548 (07-JAN-2002)
C70' GenBank Accession Number: O42280 (15-JUL-1999) C71' GenBank Accession Number: O75973 (16-OCT-2001) C72' GenBank Accession Number: O88992 (16-OCT-2001) C73' GenBank Accession Number: P02746 (16-OCT-2001) C74' GenBank Accession Number: P10108 (15-JUL-1999) C75' GenBank Accession Number: P16621 (01-MAR-2002) C76' GenBank Accession Number: P20488 (15-JUL-1998) C77' GenBank Accession Number: P20488 (15-JUL-1998) C77' GenBank Accession Number: P21139 (30-MAY-2000) C78' GenBank Accession Number: P25098 (20-AUG-2001) C79' GenBank Accession Number: P26817 (16-OCT-2001) C80' GenBank Accession Number: P42828 (01-OCT-1996) C81' GenBank Accession Number: P91805 (16-OCT-2001) C82' GenBank Accession Number: U87306 (15-MAY-1997) C84' GenBank Accession Number: XM_009546 (16-OCT-2001) C85' GenBank Accession Number: XM_009546 (16-OCT-2001) C86' GenBank Accession Number: XP_009546 (16-OCT-2001) C87' GenBank Accession Number: XP_009546 (16-OCT-2001) C88' GenBank Accession Number: XP_027243 (16-OCT-2001) C88' GenBank Accession Number: XP_027243 (16-OCT-2001) C89' GenBank Accession Number: XP_027243 (16-OCT-2001) C89' Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35. C80' Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P2684 ATPase gene: a		C68*	GenBank Accession Number: NP_075214 (31-JAN-2001)
C71' GenBank Accession Number: O75973 (16-OCT-2001) C72' GenBank Accession Number: O88992 (16-OCT-2001) C73' GenBank Accession Number: P02746 (16-OCT-2001) C74' GenBank Accession Number: P10108 (15-JUL-1999) C75' GenBank Accession Number: P16621 (01-MAR-2002) C76' GenBank Accession Number: P20488 (15-JUL-1998) C77' GenBank Accession Number: P21139 (30-MAY-2000) C78' GenBank Accession Number: P25098 (20-AUG-2001) C79' GenBank Accession Number: P26817 (16-OCT-2001) C80' GenBank Accession Number: P42280 (01-OCT-1996) C81' GenBank Accession Number: P51805 (16-OCT-2001) C82' GenBank Accession Number: U87306 (15-MAY-1997) C83' GenBank Accession Number: XM_009546 (16-OCT-2001) C85' GenBank Accession Number: XM_007243 (16-OCT-2001) C86' GenBank Accession Number: XM_027243 (16-OCT-2001) C86' GenBank Accession Number: XM_027243 (16-OCT-2001) C87' GenBank Accession Number: XP_009546 (16-OCT-2001) C88' GenBank Accession Number: XP_017243 (16-OCT-2001) C89' Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35.		C69°	GenBank Accession Number: O14905 (15-DEC-1998)
C72' GenBank Accession Number: O88992 (16-OCT-2001) C73' GenBank Accession Number: P02746 (16-OCT-2001) C74' GenBank Accession Number: P10108 (15-JUL-1999) C75' GenBank Accession Number: P16621 (01-MAR-2002) C76' GenBank Accession Number: P20488 (15-JUL-1998) C77' GenBank Accession Number: P21139 (30-MAY-2000) C78' GenBank Accession Number: P25098 (20-AUG-2001) C79' GenBank Accession Number: P26817 (16-OCT-2001) C80' GenBank Accession Number: P42280 (01-OCT-1996) C81' GenBank Accession Number: P51805 (16-OCT-2001) C82' GenBank Accession Number: Q90732 (01-NOV-1997) C83' GenBank Accession Number: U87306 (15-MAY-1997) C84' GenBank Accession Number: XM_009546 (16-OCT-2001) C85' GenBank Accession Number: XM_027243 (16-OCT-2001) C88' GenBank Accession Number: XP_009546 (16-OCT-2001) C88' GenBank Accession Number: XP_027243 (16-OCT-2001) C88' Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35.		C70°	GenBank Accession Number: O42280 (15-JUL-1999)
C73* GenBank Accession Number: P02746 (16-OCT-2001) C74* GenBank Accession Number: P10108 (15-JUL-1999) C75* GenBank Accession Number: P16621 (01-MAR-2002) C76* GenBank Accession Number: P20488 (15-JUL-1998) C77* GenBank Accession Number: P21139 (30-MAY-2000) C78* GenBank Accession Number: P25098 (20-AUG-2001) C79* GenBank Accession Number: P25098 (20-AUG-2001) C80* GenBank Accession Number: P42280 (01-OCT-2001) C80* GenBank Accession Number: P51805 (16-OCT-2001) C82* GenBank Accession Number: Q90732 (01-NOV-1997) C83* GenBank Accession Number: U87306 (15-MAY-1997) C84* GenBank Accession Number: XM_009546 (16-OCT-2001) C85* GenBank Accession Number: XM_009546 (16-OCT-2001) C86* GenBank Accession Number: XM_027243 (16-OCT-2001) C87* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* GenBank Accession Number: XP_027243 (16-OCT-2001) C89* Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35.		C71°	GenBank Accession Number: 075973 (16-OCT-2001)
C74* GenBank Accession Number: P10108 (15-JUL-1999) C75* GenBank Accession Number: P16621 (01-MAR-2002) C76* GenBank Accession Number: P20488 (15-JUL-1998) C77* GenBank Accession Number: P21139 (30-MAY-2000) C78* GenBank Accession Number: P25098 (20-AUG-2001) C79* GenBank Accession Number: P25098 (20-AUG-2001) C80* GenBank Accession Number: P42280 (01-OCT-2001) C81* GenBank Accession Number: P51805 (16-OCT-2001) C82* GenBank Accession Number: Q90732 (01-NOV-1997) C83* GenBank Accession Number: U87306 (15-MAY-1997) C84* GenBank Accession Number: XM_009546 (16-OCT-2001) C85* GenBank Accession Number: XM_027243 (16-OCT-2001) C86* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* GenBank Accession Number: XP_027243 (16-OCT-2001) C89* Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35. C80* Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P2644 ATPase gene: a		C72*	GenBank Accession Number: O88992 (16-OCT-2001)
C75* GenBank Accession Number: P16621 (01-MAR-2002) C76* GenBank Accession Number: P20488 (15-JUL-1998) C77* GenBank Accession Number: P21139 (30-MAY-2000) C78* GenBank Accession Number: P25098 (20-AUG-2001) C79* GenBank Accession Number: P26817 (16-OCT-2001) C80* GenBank Accession Number: P42280 (01-OCT-1996) C81* GenBank Accession Number: P51805 (16-OCT-2001) C82* GenBank Accession Number: Q90732 (01-NOV-1997) C83* GenBank Accession Number: U87306 (15-MAY-1997) C84* GenBank Accession Number: XM_009546 (16-OCT-2001) C85* GenBank Accession Number: XM_027243 (16-OCT-2001) C86* GenBank Accession Number: XP_027243 (16-OCT-2001) C87* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* GenBank Accession Number: XP_027243 (16-OCT-2001) C89* GenBank Accession Number: XP_027243 (16-OCT-2001)		C73*	GenBank Accession Number: P02746 (16-OCT-2001)
C76* GenBank Accession Number: P20488 (15-JUL-1998) C77* GenBank Accession Number: P21139 (30-MAY-2000) C78* GenBank Accession Number: P25098 (20-AUG-2001) C79* GenBank Accession Number: P26817 (16-OCT-2001) C80* GenBank Accession Number: P42280 (01-OCT-1996) C81* GenBank Accession Number: P51805 (16-OCT-2001) C82* GenBank Accession Number: Q90732 (01-NOV-1997) C83* GenBank Accession Number: U87306 (15-MAY-1997) C84* GenBank Accession Number: XM_009546 (16-OCT-2001) C85* GenBank Accession Number: XM_027243 (16-OCT-2001) C86* GenBank Accession Number: XP_009546 (16-OCT-2001) C87* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* Giet and Prigent (1999). "Aurora/Ip11p-related kinases, a new oncogenic family of mitotic serine-threonine kinases." J Cell Sci 112(Pt 21): 3591-601. C89* Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35.		C74°	GenBank Accession Number: P10108 (15-JUL-1999)
C77* GenBank Accession Number: P21139 (30-MAY-2000) C78* GenBank Accession Number: P25098 (20-AUG-2001) C79* GenBank Accession Number: P26817 (16-OCT-2001) C80* GenBank Accession Number: P42280 (01-OCT-1996) C81* GenBank Accession Number: P51805 (16-OCT-2001) C82* GenBank Accession Number: Q90732 (01-NOV-1997) C83* GenBank Accession Number: U87306 (15-MAY-1997) C84* GenBank Accession Number: XM_009546 (16-OCT-2001) C85* GenBank Accession Number: XM_027243 (16-OCT-2001) C86* GenBank Accession Number: XP_009546 (16-OCT-2001) C87* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* Giet and Prigent (1999). "Aurora/lp11p-related kinases, a new oncogenic family of mitotic serine-threonine kinases." J Cell Sci 112(Pt 21): 3591-601. C89* Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35.		C75*	GenBank Accession Number: P16621 (01-MAR-2002)
C78* GenBank Accession Number: P25098 (20-AUG-2001) C79* GenBank Accession Number: P26817 (16-OCT-2001) C80* GenBank Accession Number: P42280 (01-OCT-1996) C81* GenBank Accession Number: P51805 (16-OCT-2001) C82* GenBank Accession Number: Q90732 (01-NOV-1997) C83* GenBank Accession Number: U87306 (15-MAY-1997) C84* GenBank Accession Number: XM_009546 (16-OCT-2001) C85* GenBank Accession Number: XM_027243 (16-OCT-2001) C86* GenBank Accession Number: XP_009546 (16-OCT-2001) C87* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* Giet and Prigent (1999). *Aurora/lp11p-related kinases, a new oncogenic family of mitotic serine-threonine kinases." J Cell Sci 112(Pt 21): 3591-601. C89* Hall, et al. (2000). *Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35.		C76*	GenBank Accession Number: P20488 (15-JUL-1998)
C79* GenBank Accession Number: P26817 (16-OCT-2001) C80* GenBank Accession Number: P42280 (01-OCT-1996) C81* GenBank Accession Number: P51805 (16-OCT-2001) C82* GenBank Accession Number: Q90732 (01-NOV-1997) C83* GenBank Accession Number: U87306 (15-MAY-1997) C84* GenBank Accession Number: XM_009546 (16-OCT-2001) C85* GenBank Accession Number: XM_027243 (16-OCT-2001) C86* GenBank Accession Number: XP_009546 (16-OCT-2001) C87* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* GenBank Accession Number: XP_027243 (16-OCT-2001) C89* GenBank Accession Number: XP_027243 (16-OCT-2001) C80* GenBank Accession Number: XP_027243 (16-OCT-2001)		C77*	GenBank Accession Number: P21139 (30-MAY-2000)
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C80° GenBank Accession Number: P42280 (01-OCT-1996) C81° GenBank Accession Number: P51805 (16-OCT-2001) C82° GenBank Accession Number: Q90732 (01-NOV-1997) C83° GenBank Accession Number: U87306 (15-MAY-1997) C84° GenBank Accession Number: XM_009546 (16-OCT-2001) C85° GenBank Accession Number: XM_027243 (16-OCT-2001) C86° GenBank Accession Number: XP_009546 (16-OCT-2001) C87° GenBank Accession Number: XP_027243 (16-OCT-2001) C88° Giet and Prigent (1999). "Aurora/Ip11p-related kinases, a new oncogenic family of mitotic serine-threonine kinases." J Cell Sci 112(Pt 21): 3591-601. C89° Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35. C80° Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P26s4 ATPase gene: a		C79*	GenBank Accession Number: P26817 (16-OCT-2001)
C82° GenBank Accession Number: Q90732 (01-NOV-1997) C83° GenBank Accession Number: U87306 (15-MAY-1997) C84° GenBank Accession Number: XM_009546 (16-OCT-2001) C85° GenBank Accession Number: XM_027243 (16-OCT-2001) C86° GenBank Accession Number: XP_009546 (16-OCT-2001) C87° GenBank Accession Number: XP_027243 (16-OCT-2001) C88° GenBank Accession Number: XP_027243 (16-OCT-2001)		C80°	
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C84* GenBank Accession Number: XM_009546 (16-OCT-2001) C85* GenBank Accession Number: XM_027243 (16-OCT-2001) C86* GenBank Accession Number: XP_009546 (16-OCT-2001) C87* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* Giet and Prigent (1999). "Aurora/lpl1p-related kinases, a new oncogenic family of mitotic serine-threonine kinases." J Cell Sci 112(Pt 21): 3591-601. C89* Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." Cell 100(5): 525-35. C80* Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P26s4 ATPase gene: a		C82*	GenBank Accession Number: Q90732 (01-NOV-1997)
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C87* GenBank Accession Number: XP_027243 (16-OCT-2001) C88* Giet and Prigent (1999). "Aurora/lpl1p-related kinases, a new oncogenic family of mitotic serine-threonine kinases." <i>J Cell Sci</i> 112(Pt 21): 3591-601. C89* Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." <i>Cell</i> 100(5): 525-35. C90* Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P26s4 ATPase gene: a		C86*	
C88° Giet and Prigent (1999). "Aurora/IpI1p-related kinases, a new oncogenic family of mitotic serine-threonine kinases." <i>J Cell Sci</i> 112(Pt 21): 3591-601. C89° Hall, et al. (2000). "Axonal remodeling and synaptic differentiation in the cerebellum is regulated by WNT-7a signaling." <i>Cell</i> 100(5): 525-35. C90° Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P26s4 ATPase gene: a		C87°	GenBank Accession Number: XP_027243 (16-OCT-2001)
WNT-7a signaling." Cell 100(5): 525-35. C90° Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P26s4 ATPase gene: a		C88*	Giet and Prigent (1999). "Aurora/Ipl1p-related kinases, a new oncogenic family of mitotic serine-
Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P26s4 ATPase gene: a member of the remarkably conserved AAA gene family." Genomics 31(1): 115-8.		C89*	
		C80.	Hoyle and Fisher (1996). "Genomic organization and mapping of the mouse P26s4 ATPase gene: a member of the remarkably conserved AAA gene family." <i>Genomics</i> 31(1): 115-8.





		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS
Exam Initial:		Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
\$	C91.	Kennedy and Ramachandran (2000). "Protein tyrosine phosphatase-18 in diabetes." Biochem Pharmacol 60(7): 877-83.
1	C92*	Komazaki, et al. (1999). "Immunolocalization of mitsugumin29 in developing skeletal muscle and effects of the protein expressed in amphibian embryonic cells." Dev Dyn 215(2): 87-95.
\prod	C93.	Krueger and Saito (1992). "A human transmembrane protein-tyrosine-phosphatase, PTP zeta, is expressed in brain and has an N-terminal receptor domain homologous to carbonic anhydrases." Proc Natl Acad Sci U S A 89(16): 7417-21.
	C94*	Kuhl, et al. (2000). "The Wnt/Ca2+ pathway: a new vertebrate Wnt signaling pathway takes shape." Trends Genet 16(7): 279-83.
	C95*	LaBonne and Furst (1989). "Differentiation in vitro of neural precursor cells from normal and Pecanex mutant Drosophila embryos." <i>J Neurogenet</i> 5(2): 99-104.
	C96*	LaBonne, et al. (1989). "Molecular genetics of pecanex, a maternal-effect neurogenic locus of Drosophila melanogaster that potentially encodes a large transmembrane protein." <i>Dev Biol</i> 136(1): 1-16.
	C97*	Lue, et al. (2001). *Inflammatory repertoire of Alzheimer's disease and nondemented elderly microglia in vitro.* Glia 35(1): 72-9.
	C98*	Minassian, et al. (1998). "Mutations in a gene encoding a novel protein tyrosine phosphatase cause progressive myoclonus epilepsy." Nat Genet 20(2): 171-4.
	C99*	Murakami, et al. (2001). "Differential expression of plexin-A subfamily members in the mouse nervous system." Dev Dyn 220(3): 246-58.
	C100*	Nishi, et al. (1999). "Abnormal features in skeletal muscle from mice lacking mitsugumin29." J Cell Biol 147(7): 1473-80.
	C101*	Pasterkamp, et al. (1999). "Semaphorins and their receptors in olfactory axon guidance." Cell Mol Biol (Noisy-le-grand) 45(6): 763-79.
	C102*	Powell, et al. (1997). "Development of polarity in cerebellar granule neurons:" <i>J Neurobiol</i> 32(2): 223-36.
	C103*	Samy, et al. (1999). "Proteasome participates in the alteration of signal transduction in T and B lymphocytes following trauma-hemorrhage." <i>Biochim Biophys Acta</i> 1453(1): 92-104.
	C104*	Severson, A. F., D. R. Hamill, et al. (2000). "The aurora-related kinase AIR-2 recruits ZEN-4/CeMKLP1 to the mitotic spindle at metaphase and is required for cytokinesis." <i>Curr Biol</i> 10(19): 1162-71.
	C105*	Shimuta, et al. (1998). "Structure and expression of mitsugumin29 gene." FEBS Lett 431(2): 263-7.
	C106*	SWALL (SPTR) Accession Number: 008722 (1-JUL-1997).
	C107*	SWALL (SPTR) Accession Number: 008747 (1-JUL-1997).
	C108*	SWALL (SPTR) Accession Number: 060445 (1-AUG-1998).
	C109°	SWALL (SPTR) Accession Number: O88488 (1-NOV-1998).
	C110*	SWALL (SPTR) Accession Number: O95185 (1-MAY-1999).
	C111*	SWALL (SPTR) Accession Number: P49014 (01-JUN-1994).
	C112*	SWALL (SPTR) Accession Number: P70206 (1-FEB-1997).
	C113*	SWALL (SPTR) Accession Number: P70208 (1-FEB-1997).
	C114°	SWALL (SPTR) Accession Number: Q13358 (1-NOV-1996).
	C115'	SWALL (SPTR) Accession Number: Q91823 (1-NOV-1996).
	C116*	SWALL (SPTR) Accession Number: Q99LL8 (1-JUN-2001).
	_ C117°	SWALL (SPTR) Accession Number: Q99MK8 (1-JUN-2001).
RD	C118*	SWALL (SPTR) Accession Number: Q9D398 (1-JUN-2001).



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* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/995,514 filed November 28, 2001, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part) and divisional applications).

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Examiner Signature		Date Considered	5/17/05

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